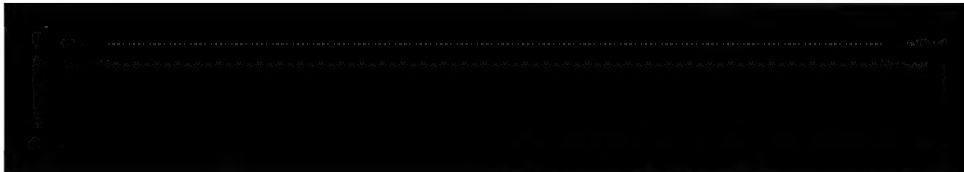


2430 "E" Street, N. W.
Washington, D. C.
29 October 1953

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Equipment submitted for approval

Dear Mr. [REDACTED]:

Reference is made to your letter dated 12 October 1953 and Contractor's letter dated 5 October 1953.

Items 1 through 5 and 7 are satisfactory and may be approved.

Item 6, giving decibel ratings of various units of equipment, indicates comparatively high ratings for the main supply fan and the refrigeration compressor. These units should be approved subject to the condition that the contractor will be required to take precautions to reduce the noise to satisfactory levels of operation.

With reference to the comments in the second paragraph of your letter and comments under Item 6 above, the following recommendations are made:

a. That the refrigeration compressor in pent house, indicated on Drawing 9-2, be relocated from its present position over the cruising room below to a position over the Engineer's Office on the opposite side of the pent house.

b. Correspondingly, the heating boiler would be relocated to approximately the present position of the compressor, the stack to clear duct work above.

c. The necessary changes in refrigeration piping appear to be negligible, and the changes to the heating lines small. The interchange of concrete bases for the two units should not add to the cost of the changes.

Mr. [REDACTED]

- 2 -

d. In addition to the acoustical duct lining indicated in the intake plenum in Section B-B, and cold and hot discharge plenums in Elevation E-E, Drawing 9-2, the four branch discharge ducts off the cold and hot plenums should be lined with acoustical material for a distance of about 12 feet. In all cases, the duct is to be increased in size to maintain the duct size indicated on the drawings inside the lining.

e. If the Contractor had provided equipment with lower decibel ratings, the foregoing precautions would not have been required. It is therefore considered that the Contractor should be held responsible for the changes necessary to reduce the operating noise to a reasonable level. If the Contractor does not agree to the foregoing changes, the equipment may be rejected on account of high decibel ratings. For instance, the 8 cylinder refrigeration compressor specified and at lower speed would normally have a lower decibel rating than the 4 cylinder unit submitted for approval. Also a lower speed supply fan would normally have a lower decibel rating.

f. In case the Contractor is not amiable to the above requirement, it is suggested that a proposal be obtained incorporating the foregoing recommendations so that he can be instructed to proceed as directed on the basis of the proposal, subject to future determination of the assessment of costs.

Very truly yours,

[REDACTED]

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Attachment